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| Application No. | Applicant(s) |
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| 10/030,011      | BISSLER ET A |
| Examiner        | Art Unit     |

Joseph W. Drodge

| , (pp.,.a.,(o) |  |
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| BISSLER ET AL  |  |
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| 7 | Rejected |  |
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| = | Allowed  |  |

|   | (Through numeral)<br>Cancelled |
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| CI              | aim      | Τ            |          |          |          | Dat      | te       |          |          |                 | Г          | Claim Date |          |          |           |          |           |          |          |          |          | Γ         | Cla      | aim           | Т          | Date     |                |          |          |          |          |          |          |          |  |
|-----------------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|-----------------|------------|------------|----------|----------|-----------|----------|-----------|----------|----------|----------|----------|-----------|----------|---------------|------------|----------|----------------|----------|----------|----------|----------|----------|----------|----------|--|
|                 | 1        | 6            | Г        | Π        | Г        | Γ        | Ť        | T        | Τ        |                 |            | _=.        |          | T        | Г         | Г        | T         | Ť        | İ        | Γ        |          | П         | ı        |               |            | T        | Г              | Т        | Т        | Ţ        | Ť        | П        | Г        | Г        |  |
| Final           | Original | 10/28/03     |          |          | l        |          | 1        | 1        |          |                 |            | Final      | Original |          |           |          |           |          |          |          |          |           |          | Final         | Original   |          |                |          | 1        |          |          |          | ŀ        |          |  |
| ΙĒ              | ĬĔ       | 00           |          |          | l        |          |          | 1        |          |                 |            | ίĪ         | ij       |          |           |          |           |          |          |          |          |           |          | ίĒ            | )ric       |          |                | 1        |          | 1        |          |          |          |          |  |
|                 |          | <u></u>      | <u> </u> | L        | L        | <u> </u> | ┺        | 1        |          |                 |            |            |          | L.       | _         | L        | <u> </u>  | _        | _        | _        | _        |           | Ļ        |               |            | L        | ļ              | L        |          | ┖        |          |          |          |          |  |
|                 | 1 2      | Y.           | ┡        | ┺        | ⊢        | ⊢        |          | ╄        | ļ        |                 | -          | _          | 51       | ⊢        | ┺         | L        | ļ         | ┡        | _        | <u> </u> | Н        | _         | -        |               | 101        |          | ـ              | ┡        | 1        | ╄        | Ļ        | ļ.,      | _        |          |  |
| -               | 3        | 5            | ⊢        | ├        | ⊢        | -        | $\vdash$ | +        | 1        | H               | i  -       | _          | 52<br>53 | ├-       | ├         | _        | <u> </u>  | ⊢        |          | -        |          | $\dashv$  | ŀ        | _             | 102        | ├-       | <del> </del> — | ╀        | ⊢        | ╀        | $\vdash$ | ┡        | ļ        | _        |  |
| <u> </u>        | 4        | 0            | ┢        | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | ╁        | $\vdash$ | -               | H          | _          | 54       | ┢        | ╌         | $\vdash$ |           |          |          | ⊢        | Н        | $\dashv$  | H        | _             | 103        | -        | ⊢              | ┼        | ⊢        | ┼        | -        | -        | ⊢        |          |  |
| <b>—</b>        | 5        | Ť            | $\vdash$ | $\vdash$ | $\vdash$ | H        | +        | +        |          | -               | -          |            | 55       | ┢╌       |           |          |           | H        | $\vdash$ | -        | Н        | $\dashv$  | ŀ        | _             | 105        | $\vdash$ | ┼─             | ⊢        | +        | ⊢        | $\vdash$ | $\vdash$ | ├        | -        |  |
|                 | 6        | $\mathbf{V}$ | ✝        | -        | ✝        | 1        | ✝        | 1        | t        | Н               | F          | _          | 56       | -        | +-        | -        | $\vdash$  | $\vdash$ |          |          |          | 1         | ŀ        | _             | 106        | -        | ┢              | $\vdash$ | ├        | $\vdash$ | $\vdash$ | $\vdash$ | -        | Н        |  |
|                 | 7        | 0            | $\vdash$ | Т        | Т        | Т        | T        | T        | Т        | _               | lt         |            | 57       | T        |           |          | $\vdash$  | -        | _        |          |          | _         | ı        |               | 107        |          | $\vdash$       | 1        |          | ✝        | 1-       | 1        | Н        | Н        |  |
|                 | 8        | V            |          |          |          |          |          |          |          |                 |            |            | 58       |          |           |          |           |          |          | ĺ        |          |           |          |               | 108        |          |                | 1        |          | 1        |          |          |          |          |  |
| _               | 9        | <u>/</u>     |          |          | ┖        | Ļ        | 1_       | _        | L        |                 |            |            | 59       | _        |           |          |           |          |          |          |          |           |          |               | 109        |          |                |          |          |          | T        |          |          |          |  |
| <u></u>         | 10       | 0            | _        | _        | _        | ┖        | ┡        | <u> </u> | <u> </u> |                 | L          |            | 60       |          | <u> </u>  | L        | _         |          | _        |          |          | _         |          |               | 110        | L        | 匚              |          |          |          | L        |          |          |          |  |
| <u></u>         | 11       | ₩            | $\vdash$ | ⊢        | ⊢        | -        | 1        | ⊬        |          | Н               | <b> </b> - |            | 61       | <u> </u> | <b>L</b>  | <u> </u> | <u> </u>  | _        | Щ        | L.,      | $\sqcup$ | 4         | 1        | _             | 111        |          | ╙              |          | ╙        |          | _        | Ш        |          | Ш        |  |
|                 | 12       | $\forall$    | -        | -        | ⊢        | 1        | $\vdash$ |          | -        | Н               | <b> </b> - | _          | 62       | ├        | -         | ├-       | -         | -        | Н        | -        | $\vdash$ | $\dashv$  | - 1      | -             | 112        | ⊢-       | <del> </del>   | -        | 1        | 1        | ₩        | Н        | <u> </u> | -        |  |
| -               | 14       | O            | $\vdash$ | $\vdash$ | -        | ┢        | +        | $\vdash$ | $\vdash$ | Н               | -          |            | 63<br>64 |          | Η.        | $\vdash$ |           | -        | $\vdash$ | Н        | $\vdash$ | $\dashv$  | H        |               | 113        | <u> </u> | ⊢              | $\vdash$ | $\vdash$ | $\vdash$ |          | -        |          | $\vdash$ |  |
| $\vdash$        | 15       | 12           | -        | -        | $\vdash$ |          | $\vdash$ | $\vdash$ | -        | $\vdash \vdash$ | ·  -       | -          | 65       |          | -         | _        | $\vdash$  | $\vdash$ | Н        | $\vdash$ | $\vdash$ |           | -        | -             | 114<br>115 | $\vdash$ | -              | ├        | $\vdash$ | $\vdash$ | $\vdash$ | Н        | _        | $\vdash$ |  |
|                 | 16       | 5            |          | $\vdash$ | $\vdash$ | $\vdash$ | +-       | $\vdash$ |          | $\vdash$        | -          | -          | 66       | _        |           | -        | Н         | $\vdash$ | $\vdash$ | -        | $\vdash$ | $\dashv$  | H        | $\dashv$      | 116        | -        | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$ | 1        |          | _        | Н        |  |
|                 | 17       | 7            |          |          | -        |          | H        | $\vdash$ |          | $\neg$          | -          | $\neg$     | 67       | $\vdash$ | Н         | _        |           | ┝        | =        |          | Н        | $\dashv$  | - }-     |               | 117        | $\vdash$ | Н              | ├~       | -        | 1        | $\vdash$ | Н        |          | Н        |  |
|                 | 18       | 7            |          | -        | Т        |          | T        |          | П        | _               |            |            | 68       |          | -         | _        | Н         | $\vdash$ |          |          | Н        |           | ŀ        |               | 118        | $\vdash$ | -              | -        | $\vdash$ |          | H        | Н        | _        |          |  |
|                 | 19       |              |          |          |          |          |          |          |          |                 |            |            | 69       |          |           |          |           |          |          |          |          |           | r        |               | 119        |          |                |          | $\vdash$ | 1-       | $\vdash$ | Н        |          | Н        |  |
|                 | 20       |              |          |          |          |          |          |          |          |                 |            |            | 70       |          |           |          |           |          |          |          |          |           |          |               | 120        | Г        | -              | 1        | Т        |          |          | П        |          |          |  |
|                 | 21       |              |          |          |          |          | Г        | Γ.       |          |                 |            |            | 71       | -        |           |          |           |          |          |          |          |           | Г        |               | 121        | _        |                | Г        | Г        | Г        | Г        | -        |          | П        |  |
| <u> </u>        | 22       |              |          |          |          |          | L        |          |          |                 | Ľ          |            | 72       | _        |           |          |           |          |          |          |          |           |          |               | 122        |          |                |          |          |          |          |          |          |          |  |
|                 | 23       |              | Ш        |          |          | <u> </u> |          | _        |          | Щ               | ļ          |            | 73       |          | Ш         |          |           |          |          | -        |          |           |          |               | 123        |          |                |          |          |          |          |          |          |          |  |
| <u> </u>        | 24       | _            | Н        | _        |          |          | ⊢        | ⊢        | Н        | -               | ⊢          |            | 74       | _        |           | _        |           |          |          |          |          | _         | L        |               | 124        | _        | L              | L        |          | _        |          |          |          | Ш        |  |
|                 | 25<br>26 | _            | Н        | _        | H        | _        | ┢        | ┝        | Н        |                 | -          | $\dashv$   | 75       |          | _         |          |           | Н        |          | _        |          |           | F        | -             | 125        | <u> </u> | _              |          |          |          | _        |          | _        | _        |  |
| $\vdash$        | 27       |              | -        |          | Н        | -        | ├        | ├        | Н        | $\dashv$        | $\vdash$   | -          | 76<br>77 | $\vdash$ | $\vdash$  |          | _         | -        |          | $\dashv$ | $\dashv$ | -         | H        |               | 126        | <u> </u> |                | <u> </u> |          | ┝        |          | Н        | _        | Н        |  |
| -               | 28       | _            | -        | _        | -        | $\vdash$ | H        | H        | Н        | =               | H          |            | 78       | $\vdash$ | Н         |          | -         | -        | -        | $\dashv$ | -        | -         | H        | -1            | 127        |          | _              | -        | ├        | -        | -        | $\vdash$ | _        | $\dashv$ |  |
| $\vdash$        | 29       |              |          | -        |          |          |          | $\vdash$ |          |                 | -          | $\dashv$   | 79       | -        | -         |          | -         |          | -        |          | $\dashv$ | $\dashv$  | -        |               | 129        |          |                | $\vdash$ | ├        |          |          | Н        |          | $\dashv$ |  |
|                 | 30       | _            | $\neg$   | _        |          |          | 1        | $\vdash$ | Н        | _               | _          | $\neg$     | 80       | _        | Н         | _        | $\neg$    |          | $\dashv$ | $\dashv$ | -        | ⊣         | H        | -             | 130        |          |                |          | ┝        | ┢        | $\vdash$ | Н        | -        | $\dashv$ |  |
|                 | 31       |              |          | _        |          |          |          |          |          |                 | -          |            | 81       |          | П         |          |           |          |          | $\dashv$ | $\dashv$ | $\exists$ | r        |               | 131        |          | Н              | $\vdash$ | -        | ┢        |          | Н        |          | Н        |  |
|                 | 32       |              |          |          |          |          |          |          |          |                 |            |            | 82       |          |           |          |           |          | $\neg$   | 7        |          | ╗         | r        | $\neg$        | 132        |          | _              | $\vdash$ | $\vdash$ | $\vdash$ |          | П        |          | $\dashv$ |  |
|                 | 33       |              |          |          |          |          |          |          |          |                 |            |            | 83       |          |           |          |           |          |          |          |          |           | Г        |               | 133        |          |                |          |          | _        |          |          |          |          |  |
| $\vdash$        | 34       |              |          |          |          |          |          | $\perp$  |          | _               | L          |            | 84       |          |           |          | $\Box$    |          | 二        |          | $\Box$   |           |          |               | 134        |          |                |          |          |          |          |          |          |          |  |
| $\sqcup$        | 35       | Щ            | Щ        | _        | Ш        |          |          |          |          | _               |            | _          | 85       |          |           |          | _]        |          | 二        |          | $\Box$   |           |          |               | 135        |          |                |          |          |          |          |          |          |          |  |
| $\vdash$        | 36       |              | $\dashv$ |          | Н        | Ш        | Ш        | $\vdash$ | $\sqcup$ | ᅴ               | $\vdash$   | _          | 86       |          | Ш         |          | _         | Ш        | _        | _        | 4        | _         | F        | [             | 136        |          |                |          | $\Box$   |          |          | Ш        | _]       | ᆜ        |  |
| $\vdash$        | 37<br>38 | -            | -        | _        | $\vdash$ | -        | $\vdash$ | -        | -        | $\dashv$        | -          | $\dashv$   | 87       |          | $\vdash$  | -        |           | $\sqcup$ | _        |          | -        | _         | F        |               | 137        |          | Ш              | Ш        | _        | -        | -        |          | _        | _        |  |
| <del>  </del>   | 39       |              |          |          | $\vdash$ | H        | -        | $\vdash$ | $\vdash$ | $\dashv$        | -          | $\dashv$   | 88<br>89 |          | $\vdash$  | $\dashv$ | -         | $\vdash$ | $\dashv$ | _        | $\dashv$ | $\dashv$  | -        | $\rightarrow$ | 138        | _        |                | <u> </u> |          | <u> </u> | Н        | $\Box$   |          | $\dashv$ |  |
|                 | 40       | $\dashv$     | $\dashv$ | -        | $\vdash$ |          | Н        | $\vdash$ | $\vdash$ | $\dashv$        | $\vdash$   | -+         | 90       | -        | $\dashv$  | -        | -         | -        | -        | -        | +        | $\dashv$  | H        | -             | 139<br>140 |          |                |          |          | <u> </u> | H        |          | -        | _        |  |
| $\vdash \dashv$ | 41       | -            |          | -        | -1       |          | Н        | -        |          | $\dashv$        | <b>-</b>   | $\dashv$   | 91       |          |           |          | $\dashv$  |          | -        | $\dashv$ | +        | $\dashv$  | -        | -             | 140        |          | $\vdash$       | $\vdash$ |          | _        | Н        | $\dashv$ | -        |          |  |
| $\vdash$        | 42       | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | Н        | $\dashv$ | $\dashv$        | $\vdash$   | $\dashv$   | 92       | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -         | $\vdash$ | -             | 142        |          | -              |          | $\vdash$ | Η.       | $\vdash$ | $\vdash$ |          | $\dashv$ |  |
|                 | 43       |              | -        | $\neg$   | $\vdash$ |          | Н        |          | $\vdash$ | ᅥ               |            | -+         | 93       | _        | -         | $\neg$   | -+        |          |          | $\dashv$ | $\dashv$ | $\dashv$  | +        |               | 143        | $\dashv$ | $\dashv$       | $\vdash$ |          | Н        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |  |
|                 | 44       | $\neg$       |          |          |          |          | П        |          |          | 7               | į,         | $\neg$     | 94       |          | -1        | -        | 7         |          |          | _        | $\dashv$ | $\dashv$  | 十        | $\dashv$      | 144        | -        | -              |          |          |          | $\vdash$ | $\dashv$ |          | $\dashv$ |  |
|                 | 45       |              |          |          |          |          |          |          |          |                 |            | 一          | 95       | $\neg$   | $\neg$    | $\neg$   | $\neg$    | $\dashv$ | $\dashv$ | $\dashv$ | -+       | _         | H        |               | 145        | -        |                |          |          |          | -        | -        | -        | $\dashv$ |  |
|                 | 46       | $\Box$       |          |          |          |          |          |          |          |                 |            |            | 96       |          |           |          |           |          | ⇉        |          |          |           |          |               | 146        |          |                |          |          |          | Н        |          | T        |          |  |
| $\sqcup$        | 47       | _            | _        | _        | _]       | _]       |          |          | $\Box$   |                 |            |            | 97       |          | $\exists$ |          | $\exists$ |          |          |          | $\perp$  |           |          |               | 147        |          |                |          | -        |          |          |          |          |          |  |
| $\sqcup \bot$   | 48       | _            | _        | _        |          | _        | Щ        |          | _        | ᆜ               |            | _[         | 98       | $\Box$   | Ц         | _]       |           | 二        |          |          | $\Box$   |           |          |               | 148        |          |                |          |          |          |          |          |          |          |  |
| $\vdash$        | 49       | _            | _        | _        | _        | _        |          | Ш        | _        | _               | $\vdash$   | -4         | 99       | _        |           |          | _         | _        | $\perp$  | _        | 1        | _         | L        |               | 149        | $\Box$   |                | _]       |          |          |          | $\Box$   | $\Box$   |          |  |
|                 | 50       |              |          |          |          |          |          |          |          |                 | L          |            | 100      | - 1      | - 1       | - 1      | ŀ         | - 1      |          | - 1      | - 1      |           | - [      |               | 150        |          | - 1            | Ĩ        | Ī        | ٦        | □ T      | - 1      | ĺ        | - 1      |  |